

1 In the Claims

2 Please cancel claims 1-7, 9-15 and 17-78 without prejudice.

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4 1.-7. (Canceled)

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6 8. (Original) One or more computer-readable media having computer-
7 readable instructions thereon which, when executed by a computer, cause the
8 computer to:

9 model software using a software model that describes behavior associated
10 with the software, the software model comprising a state graph having multiple
11 nodes individual ones of which represent a state, and links between the nodes that
12 represent actions; and

13 operate on the software model using a random destination algorithm and at
14 least one other different algorithm to produce a sequence of test actions, the
15 random destination algorithm being configured to randomly select a destination
16 node in the model and move to that destination node to produce the sequence of
17 test actions, the selection of the destination node being performed independent of
18 any previously-traversed nodes, and independent of any nearest neighbor nodes.

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20 9.-15. (Canceled)

1 16. (Original) One or more computer-readable media having computer-
2 readable instructions thereon which, when executed by a computer, cause the
3 computer to:

4 operate on a software model using a random destination algorithm to
5 produce a sequence of test actions, the software model comprising a state graph
6 having multiple nodes individual ones of which represent a state, and links
7 between the nodes that represent actions, the random destination algorithm being
8 configured to randomly select a destination node in the state graph and move to
9 that destination node to produce the sequence of test actions; and

10 operate on the software model using multiple other algorithms that are
11 different from the random destination algorithm to produce a further sequence of
12 test actions, the multiple other algorithms being selected from a group comprising:
13 a random walk algorithm, a Chinese postman algorithm, a Markov chain
14 algorithm, and a anti-random walk algorithm.

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16 17.-78. (Canceled).
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